

**Table 1****Explosive Range for common gases and vapours**

<b>Gas/vapour</b>	<b>Lower Explosive Limit (%)</b>	<b>Upper Explosive Limit (%)</b>
Acetone	2.6	12.8
Ammonia	16.0	25.0
Benzene	1.3	7.1
Ethyl Alcohol	3.3	19.0
Gasoline	1.4	7.6
Hexane	1.1	7.5
Hydrogen Sulphide	4.0	44.0
Methane	5.0	15.0
Methyl Alcohol	7.3	36.0
Propane	2.4	9.5
Toluene	1.2	7.1
Xylene	1.1	7.0

So, if you take Methane as an example and your testing equipment showed 8, it is right between the LEL (Lower Explosive Limit) and the UEL Upper Explosive Limit. That means you cannot enter that confined space until that limit has been lowered to below LEL. Continual Ventilation will be required in most cases to ensure those levels stay below the LEL for entry.